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Official Catalogue

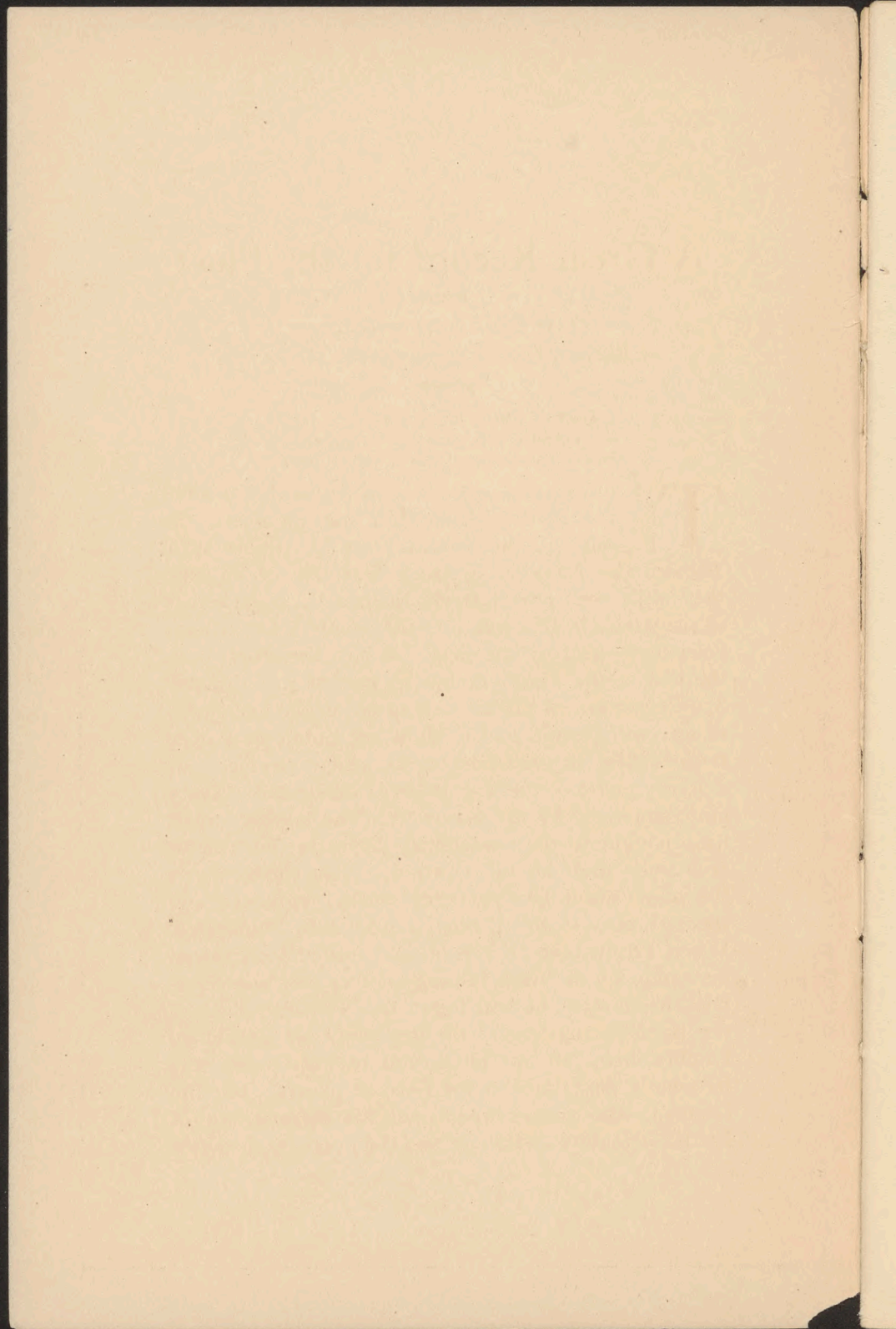


EXHIBITION OF
BRITISH NAVAL
PHOTOGRAPHS
IN COLOUR



*Under the Direction of the PHOTOGRAPHIC
DIVISION, BRITISH BUREAU OF INFORMATION*

The net profits of this Exhibition will be devoted to American War Charities



A Great Record for the Fleet

FIRST EXHIBITION IN AMERICA
OF BRITISH NAVAL PHOTOGRAPHS IN COLOUR

"Much of what you have done, as far as the public eye is concerned, may almost be said to have been done in the twilight."

THE above is an extract from a speech delivered by the British Prime Minister on board the flagship of the Grand Fleet in August 1915. Though the Navy is Britain's first line of defense, the public even now scarcely realizes the significance of sea power in this war, and the wonders which have been performed by the fleet. It has, therefore, been the aim of the Photographic Section of the Ministry of Information to lift the veil as far as the exigencies of war will permit, and to show the public how deep is their debt of gratitude to the senior service.

Every phase of the war at sea is illustrated. Every craft employed by the Navy, from the mighty super-dreadnought to the unassuming little trawler, can be seen upon their lawful occasions. The submarine is the vessel which has been most in the public eye, and the war against the U-boat is very fully illustrated. When Tirpitz, the arch Hun, invented and organized his campaign of "frightfulness" against our merchantmen, he thought he had found the "Achilles heel" of the British Empire, and the day when we should go humbly down on our knees and beg for peace was frequently advertised in the German papers. But the German, who always underrates his enemies, forgot British ingenuity and pluck, and the photographs show

what wonderful resource the British Navy has displayed in overcoming what, at one time, was a very serious menace.

The pictures show depth charges, which deal death beneath the waters, the airships which spot and strafe the lurking pirates with their bombs, the nets in which they become entangled, and the destroyers, the enemy which the U-boat crews hold in the most deadly fear of all. The pictures which will appeal to the public imagination are those of the glorious exploit of Zeebrugge. We see the *Vindictive* covered with honorable scars, on her return from that memorable fight, and the block ships lying in Zeebrugge Harbour, preventing ingress and egress for the Huns' mosquito craft. The picture of the *Vindictive* is so large that it had to be made in four separate parts in order to get it through the doorway and up the stairs to the galleries.

In addition, there is shown the work of the Red Cross service, the skilful and kindly nurses, and the various schemes which are in being for the welfare of the naval men. Last, but not least, there are photographs of the Wrens, the sailor lassies who are doing many useful jobs ashore.

No sketching or photographing is allowed at this Exhibition.

Catalogue of Naval Photographs Exhibition

1. In Fighting Kit

A Naval Rating in fire-proof clothing. During an action the men are completely protected by these clothes, as otherwise the intense heat from bursting shells would inflict great injuries. The respirator is seen in readiness for use.

2. Kamerad, Kamerad!

The crew of a U-boat surrendering to the American destroyer *Fanning*. While escorting a convoy, the lookout of the *Fanning* sighted a periscope about a foot above the water. She immediately headed for the spot and dropped a depth charge, which, according to prisoners captured, wrecked the submarine's machinery and caused her to sink to a considerable depth. However, the U-boat came up to the surface, and a short chase ensued before the whole crew came up on deck and held up their hands. The photograph was taken by William A. Wiggins, B'Smith, U. S. Navy, U. S. S. *Fanning*.

3. "Dazzle Painted"

This photograph illustrates how protective coloring has been used by the Admiralty to baffle the pirate. This gaudy steamer, on which paint pots appear to have been spilt haphazard by careless workmen, is so disguised that Fritz, when he peeps through the periscope, cannot tell in what direction she is traveling.

4. Left In An Open Boat Without Food

Members of a crew of a torpedoed merchant ship escape from their vessel in a small boat. The photograph was taken from an airship, which located them and reported their position to patrol boats. The crews of merchant ships are non-combatants, and International Law says that reasonable means must be taken to ensure their safety. This is the interpretation which the German puts upon it, and explains why our seamen want to boycott the Huns after the war.

5. Which Way Will the Cat Jump?

In this case it always goes the way the genial commander has taught it.

7. "William the Hun"

"William the Hun" is a great favorite on board H.M.S. *Swift*. He has been through three actions, and has three plates on his collar. They are inscribed "Jutland, May 31, 1916," "Channel Raid, October 26, 1916," and "Channel Raid, October 21, 1917." Here he is seen at the hatch, which he always guards. He declines to allow anybody to come up this way if he can help it, and does all he can to prevent anyone doing so.

8. Fo'castle of a Battleship in the North Sea

Shipping a small sea.

9. Steering a Zig-Zag Course. A Convoy in the Danger Zone

"Give us this day our daily bread" is a prayer which has special significance for the people of Great Britain to-day. If we lost command of the sea a piratical enemy might easily starve us in a few weeks, and it has been Germany's aim to accomplish this by means of her U-boats. By steering a zig-zag course the ships greatly increase the difficulty of an enemy submarine, as they are not nearly such good targets.

10. Making Assurance Doubly Sure: The End of a U-Boat

A depth charge has been dropped and a path of oil (seen on the right of the picture) has appeared on the surface. Fritz is full of guile, in fact, he rivals Bret Harte's Heathen Chinee "for ways that are dark and for tricks that are vain," and sometimes when a charge has not been completely effective he releases a little oil to make his enemy think that he has been "done in." Therefore other charges are dropped around the spot where the oil has appeared, and the path over which the destroyer has just passed is caused by the second charge exploding under the water.

11. One of the U-Boats Greatest Enemies

British destroyers seen from a seaplane. They are in harbor for a short spell.

13. Submarines in the Making

Two shells lying side by side on the slips at one of the great shipyards. In one case the men are fixing the plates. They look like whales and are just as at home in the water and can perform just as wonderful manoeuvres. Building in the British shipyards is remarkably rapid, and before long these two boats will be engaged upon their "lawful occasions."

15. Nearly Ready to Take the Water

Another photograph showing a submarine nearing completion. It is taken at a later stage than the boats seen in No. 13. The photograph shows her fins, propellers and rudders.

16. Firing 15-Inch Salvoes

"The Navy, whereon, under the good providence of God, the wealth, safety and strength of the Kingdom chiefly depend." (Articles of War.) One of our latest super-dreadnoughts firing her big guns.

17. An Airship Escorts a Convoy

Airships, especially in the long summer days, materially help our surface craft in defending merchant vessels and in spotting periscopes.

18. A Kite Balloon in Tow

These "sausages" are used for spotting purposes, and have proved wonderfully efficacious.

19. Up Above the World So High. A Machine Gunner on the Roof of an Airship

20. The Oil Upon the Waters

"Following the explosion there was a great disturbance of the water and air bubbles arose. The submarine was not seen again, but large quantities of oil floated on the surface of the sea off the spot." (Official report.) The destroyer is waiting for possible survivors from the sunken boat to come to the surface. The seaplane, from which the photograph was taken, is also on the lookout.

21. A Cold Vigil in the North Sea

A striking silhouette showing the forepart of an airship and two members of the crew. The U-boat dislikes aircraft as much as the destroyer as, owing to their great range of vision and speed, they are able to spot the pirates from afar and strafe them with their bombs. The following account of one of their achievements is interesting in view of this picture. On one occasion one of our airships while out on an early morning reconnaissance sighted a U-boat engaged in attacking a merchant vessel. Putting on full speed, the airship arrived on the spot just after the submarine had submerged, but the German had not got deep enough to be out of the crew's vision. The first bomb, which just missed her stern, evidently gave her a bad shaking, for streaks of oil rose to the surface, and the submarine was seen to alter her course to starboard. The airship manoeuvred for position and with a second bomb scored a direct hit on the stern of the submarine, causing it to lift towards the surface and roll as though about to turn turtle.

24. V.A.D.'s With Their Mascot

V. A. D. stands for Voluntary Aid Detachment, and is the name given by men in hospital to those who help the qualified nurses in their work and brighten the lives of sick and wounded men.

25. Ships Which Both Fight and Fish

The crews of the fishing fleets have braved all sorts of new and unseen dangers since the war. Theirs is essentially a peaceful calling, but the Hun has, nevertheless, made war on them in order to terrorize them and thus cut off a most important source of our food supply. A way out has been found by including a number of fishing craft in the Navy. These vessels can, and do, both fight and fish.

26. An Investiture at Sea

H.M. the King shaking hands with Petty Officer W. E. Wheeler after decorating him with the D.S.C. on the deck of a warship.

27. One of the Nurses' Many Duties

When the men are lying helpless in bed they are entirely dependent on their nurses, who are never weary of well doing.

28. "The Sound of the Guns He Did Not Hear"

Striking photograph of the funeral of one of our gallant sailors who made the supreme sacrifice.

29. Red Cross Train

An interior view of one of the travelling wards.

31. The Pirate "Postman"

Unterseeboot (Under-the-sea-boat) 35 lying in the harbor at Cartagena, the Spanish port and Naval arsenal on the Mediterranean. The commander, a boastful person who claiming among his victims the French liner *Provence*, said that he had brought an autographed letter from the All-Highest to King Alfonso thanking the latter for the welcome accorded to the prisoners from the Cameroons. The incident, it will be remembered, occurred earlier in the War.

32. Inspection of Bedding on the Quarterdeck

33. One of the 'Longshoremen's War Tasks

A little group sitting on the quay-side covering glass floats with wire netting. In this way they are helping to catch the U-boats.

34. "Tin Fishes"

Shipping torpedoes and lowering them into a submerged flat.

35. Using Holy-Stone

At present there is a shortage of many commodities in England, but elbow-grease is still available, and this applied to holy-stone is the best method of cleaning the upper deck.

36. Transporting 15-Inch Projectiles

The great weight of these will be realized when it is seen that it takes three men pulling and pushing hard to move this little trolley.

37. One of the Navy's Lairs

Destroyers in a certain harbor in the British Isles.

38. Both Skipper and Crew

This cheery old tar, who is 66 years of age, leads a lonely existence on an ammunition barge, of which he is skipper and crew combined.

39. His First Day Out

Nurses wheeling a patient who has sufficiently recovered to leave his bed. He finds it a great joy to be once more in the fresh air.

40. Never Too Old to Help

Though over 70, he still works on the nets.

41. Making Nets, But Not for Catching Fish

These old men are experts at their work, and though too old to go to sea, they still make themselves very useful to the Navy on shore.

42. Fixing Their Bayonets: Reserve Men Being Drilled Ashore

43. Men Who Volunteered for the Zeebrugge Scrap

These three men all took part in the great surprise attack which resulted in the German submarines being bottled up at Zeebrugge. They all bear traces of the terrific fighting on which they took part, but it would be difficult to find a happier trio.

44. Still Carrying On

Some of the old salts who make submarine nets. They are a sociable little group, and many interesting reminiscences of more peaceful days are related while they carry on their useful work.

45. Thank You, Nurse!

46. Zig-Zagging Home with Our Food

The ships escorted to England form a motley group all disfigured with their paint. They differ in size, speed and steering capacity, which often gives the escort great anxiety. In this photograph the track of a destroyer which has dashed across the ships can be seen. The T.B.D.'s cruise restlessly about always on the lookout for the enemy's presence.

47. Tough Nuts the Germans Cannot Crack

The genial skipper of the outer Channel Lightship *Branton* is the figure on the left. He is now 68 years of age.

49. A Double Depth Charge

A destroyer which has spotted an enemy submarine drops two depth charges. The captain of a merchant ship, who was recently repatriated, tells of the utter terror which seized the crew of a U-boat on which he was a prisoner when a depth charge was dropped near them. It was only by a miracle that he is alive to-day, and he tells how he thought his last hour had come.

50. Death Beneath the Waters

This photograph also represents the explosion caused by a double depth charge. The number of dangers that pursue the U-boats every day is always multiplying, but the depth charge, from their point of view, is probably the worst thing they have to encounter. The crews never know when this terrible device is going to be dropped beneath the waves and blow their slender craft to atoms.

51. A Submarine Chaser

A submarine chaser of the lighter order. These motor launches, which possess great speed, played a fine part in the Zeebrugge affair. They helped to put up the smoke screens, and also rescued many men from the sinking block ships.

52. A Two-Eyed Submarine

Like Cyclops, the earlier types of submarines was one-eyed. The first British Naval success of the war was when a German submarine allowed her periscope to be seen by H.M.S. *Birmingham*. A wonderful piece of gunnery blew it away, and the blinded craft was forced to come to the surface, only to be sunk, this time finally.

54. Coming Through the Boom

H.M.S. *Indomitable* steaming through the gate of a boom. She was one of the units under Sir David Beatty at the Battle of Jutland, and, like all the battle cruisers, played a glorious part in that action.

55. The War on Hospital Ships

To cover up their crimes in sinking hospital ships, the Germans have alleged that we use them as Army transports, though this has been disproved times without number. A long catalogue might be made out of the attacks on hospital ships, and this photograph shows a Union Castle liner gradually sinking after being hit. She bore all the distinctive marks and the red cross was plainly visible. The latest hospital ship to fall a victim to the Huns' brutality (the *Llandovery Castle*) was also a Union Castle liner.

57. Setting Out On Patrol

A snapshot showing the engines and two cheery members of the crew of a British airship. They are just leaving the coast and are steering out to sea.

58. Submarine at Full Speed

She is here seen undergoing her speed trials.

59. A Leviathan of the Fleet

Scene on the deck of a new large battle cruiser while under construction. The photograph gives an idea of the immense size of these ships, which, in addition to being armed with powerful guns, are tremendously speedy.

60. These Are British Sailors

It is necessary to make this statement as visitors might think that the men were about to descend a mine on rescue work. But in a modern battle they have to be thoroughly protected, and, amongst other things, wear a gas mask which gives them this fearsome appearance.

61. The "Olympic"

This famous White Star liner no longer carries passengers. All her magnificent fixtures which provided comfort superior to any first class hotel have disappeared. Once a luxury ship, she is now on National Service.

62. "Hi! Mate, Are You There?"

A pneumatic hammer worker shouting to one of his colleagues on board H.M.S. — in one of the great shipbuilding yards.

63. The Lady of the (Blow) Lamp

Girl workers in one of the Scottish shipbuilding yards where work is carried on day and night. The yards employ a very large number of women now.

64. A Well-Earned Rest

Two shipyard workers who have not selected a very comfortable seat to rest after their dinner.

65. Proud of Their Sovereign

Navy men with one of the tampions on their ship. A tampion is the block which is used to cover the muzzle of a gun when not in use in order to keep out dirt and salt water.

66. A Song with a Chorus

A cherry group of officers organize a musical evening. The pianist strikes up a popular tune with which everyone is familiar, with the result that a great volume of harmony is produced.

67. A Distinguished Visitor from Italy

Admiral Sir David Beatty with one of the members of the Italian Mission which recently paid a visit to the Grand Fleet.

68. U. S. A., Japan and Great Britain

Three representatives of Allied Navies. Being on leave, they arrange to go for a walk together and become the best of friends.

69. Rough Weather—Full Speed in the Mediterranean

One of H.M. ships ploughing its way through the waters of the Eastern Mediterranean, one of the seas which the Allied Navies guard. It is a sea where the German submarines have shown considerable activity at times, as it is through these waters that we maintain our communications with the Eastern theatres of war. They have, however, never been able to do serious damage, and our troops have been safely conveyed to the various fronts where we are defeating the Turks.

70. Rapid Shipbuilding

On board a standard ship which is in course of construction. The photograph was taken within two weeks of the first keel plate being laid, and affords an illustration of the method in which we have speeded up construction. There was a good deal of opposition in certain quarters to standard ships, but the experiment has proved very successful.

72. Rifling a Naval Gun

A girl worker at one of the great munition factories. They undertake strenuous work, but are very muscular and fit, and prove most efficient substitutes for the men they have replaced.

73. A Strong Pull and a Long Pull

There is plenty of room to pull a man through a 15-in. gun. He has got inside for the purpose of cleaning and rifling. Though it is easy to get in, it is not so easy to get out, and he requires two pals and a rope.

75. A-Skating We Will Go!

One of the chief pleasures of the men at Archangel, in North Russia, was skating. This rink, which was alongside one of H.M. ships, was greatly appreciated by both officers and men. The photograph was taken by Surgeon J. McVae, R.N.

76. Is My Collar On Straight?

A woman always wants to know if her hat is on straight, while the sailor is very particular about his collar. The photograph was taken on a Sunday morning while the men were waiting for the Captain to come and inspect them.

78. Splicing Wire to Be Used for Nets

79. The Fo'castle of One of H.M. Ships in the Arctic

Intense cold, coupled with dense fog, had to be endured by our sailors whose duty took them to the Arctic Seas, North Russia. The appearance presented by this ship is due more to frost than to snow. The photograph was taken by Surgeon J. A. McVea, R.N.

80. All Tastes Catered to At An American Club

A glimpse of the club for American sailors in a British port, showing the theatre and amusement hall. They have all sorts of ways of amusing themselves. Some are seen doing gymnastics, some are playing billiards, while on the stage a singer is rehearsing for a forthcoming concert.

81. "Britain's Sure Shield"

A British fleet patrolling the North Sea. For four years our sailors have kept their ceaseless vigil, but only on rare occasions they have been rewarded by sight of the enemy. Occasionally the Germans have made tip and run raids on our coast, but on more than one occasion they have had to pay a heavy price.

82. A U-Boat Interns Herself in Spain After Meeting Her Match

This is the U-56, and is seen at Santander, where she interned herself after being damaged in an encounter with a U. S. patrol boat. She was primarily a mine-laying submarine, and her elaborate camouflage can be clearly seen in the photograph.

83. The Mascots of H.M.S. "Vindictive" with Captain Carpenter

Commander (now Captain) Carpenter (on the right of the photograph) and Commander Osborne holding the two black cats which were great pets on board this famous vessel. Captain Carpenter was in command and Commander Osborne gunnery officer of this famous ship when she went to Zeebrugge.

84. **The Queen Honors a Hero**
Her Majesty visits Haslar Hospital and decorates Seaman W. Dumaresq.
85. **Dutch Mail Boat Mined**
86. **A Nasty Surprise for Fritz**
A patrol vessel (ex-fishing boat) preparing to deal with submarines. The men are seen sighting a 12-pounder, which they have carefully concealed amidships. If the moment comes for them to use it, Fritz will probably be sorry he did not remain under water.
87. **"You Buy War Bonds, We Do the Rest"**
Riveters in a Scottish shipyard have chalked this inscription on the hull of a ship which they are building in double-quick time.
88. **A Smith and His "Mate"**
In a Naval smith's shop.
89. **Where the Guns Are Made**
A girl worker adjusting the nuts of a gun. She is working at a turning machine.
90. **At a Magazine Drill**
Another photograph of 17 and 70 working together to supply the Navy with all it needs.
91. **Roped In. Officers' Mess in U.S. Destroyer at Sea**
The ropes across the settee are often very necessary, and everything movable has to be lashed up.
92. **A Rush to the Rescue**
Patrol boats and a destroyer alongside a steamer which was torpedoed. The vessel, however, managed to reach port in safety. It will be noticed that she is "dazzle painted."
93. **How An Airship's Crew is Changed**
This "sausage" is being towed far out to sea, and the only way that the crew can be let down on to the vessel's deck is by means of the methods illustrated above. The relief crew is hauled up by similar means.

95. An Act of Piracy in Three Chapters—Chapter 1

A cargo steamer, her deck heavily laden with barrels, is struck by a torpedo and begins to list.

96. Chapter 2

The list becomes heavier and the barrels roll into the water.

97. Chapter 3

The vessel disappears, while the sea is covered with barrels. In this case, fortunately, all lives were saved, thanks to the prompt manner in which the destroyer, which is seen standing by, came to the rescue.

99. An Officer and His Chow

All sorts of animals are made pets of in the Navy, and there is not a ship afloat that does not carry a mascot. Dogs, however, take pride of place, and are most popular with officers and men.

100. Ferrets of the Sea—Submarine Chasers

The U-boat dreads the chaser as the rabbit dreads the ferret. Great Britain and the United States now possess an enormous number of these submarine-chasers, which were specially invented for the U-boat's undoing.

101. No Coupons Required

A cheery Naval cook, who is, of course, a very important person on board ship.

**102. If Only It Had Been a German Dreadnought—
A Target After Gun Practice**

Towed out to sea, it was bombarded with shells and was soon reduced to little better than matchwood. Direct hit after direct hit was made upon it.

103. Unsociable Mascots

As though aware of their respective names, Fritz and Bill absolutely refuse to have anything to do with each other. The sailors have tried every means to make them friendly, but they haughtily turn their heads the other way when they meet. They are the mascots of an American Depot Ship in a British port.

104. The Nurses' Morning Round

Dressing a wounded patient at a Naval Hospital, which is run almost entirely by women. The nurses are making a tour of the wards, attending to each patient and seeing that he lacks nothing that makes for his comfort.

105. "Wrens" Go to School

A veteran lectures on battleships to three new members of the Women's Royal Naval Service, who are most anxious to learn all they can about the service they have joined. He is illustrating his remarks by means of a small model dreadnought.

106. "Where There is a Nipping and An Eager Air"

The fo'c'sle head of one of H.M. ships in the Arctic. The photograph was taken by Surgeon J. A. McVea, R.N.

107. Help at Hand

Patrol craft steaming at full speed to the rescue of a crew of a torpedoed steamer. Everyone was taken off the sinking ship, which is listing heavily, without any mishap. These patrol boats have been instrumental in saving hundreds of people, and many passengers on liners owe it to them that they are alive to-day.

108. A Tale of the "Trade"—The British Submarine E 4 at Sea

Many magnificent feats have been performed by the British submarines, and Prize Bounty amounting to £135 was awarded to the crew of this vessel for sinking a German patrol boat, the *Senator von Berenberg Gossler*, which was manned by a crew of 27 and commanded by a Warrant Officer of the German Naval Reserve. The submarine picked up 11 survivors, but, being unable to carry so many additional men, placed eight of them aboard a lightship, from which they were afterwards transferred to England. The submarine branch of the Service is known throughout the British Navy as the "Trade."

109. Skipper Crisp, V.C.

Skipper T. Crisp, R.N.R., of the smack *Nelson*, was posthumously awarded the Victoria Cross. He was in command of the smack *Nelson*, which, though armed with nothing more formidable than a 3-pounder gun, fought an enemy submarine to the last. His last words as he lay dying, and his little ship was rapidly sinking, were, "Abandon ship, throw confidential books overboard." Asked if he should be lifted into the boat, he said to his son, "Tom, I am done, throw me overboard." It will be noticed that he is wearing the Distinguished Service Cross which he won previous to the V.C., for a signal act of bravery.

110. A Destroyer Seen from the Air

The destroyer's duties are many and various, and our flotillas won imperishable glory in the Battle of Jutland. Though we lost eight of these boats, which is only natural, they inflicted enormous damage on the Germans. Glorious deeds, unparalleled in the annals of any Navy, were performed when our flotilla dashed, without a thought of fear, right into the German Fleet during the battle, and also carried out attacks in the course of the following night. They achieved their objects, first in driving off enemy light cruisers and destroyers who were approaching to attack our battle fleet, and then in pushing home their own attack and torpedoing German battleships and battle cruisers.

111. Barking to Keep His Courage Up

The mascot of H.M.A.S. *Australia* is greatly interested in the small alligator, but at the same time he is a little bit afraid, and keeps a respectful distance, barking loudly in order to make the newcomer think he is tremendously ferocious and dangerous.

112. Four Hundred Pounds of T.N.T. Goes Bang— A German Mine Being Exploded

German Mine, type 4, exploded by a rifle bullet striking one of the projecting horns. This egg of death was laid by a UC-boat, which is a class of submarine the enemy has built for the purpose of mine laying.

114. Jack Cornwell, V.C.

Jack Cornwell's glorious deed, which everyone will remember, is best described in the words of Sir David Beatty in his despatch on the Battle of Jutland. The report is as follows: "Boy (1st Class) John Travers Cornwell, of the *Chester*, was mortally wounded early in the action, but nevertheless remained standing alone at a most exposed post, quietly waiting orders, until the end of the action, with the gun's crew dead and wounded all around him. His age was under 16½ years. I regret that he has since died, but I recommend his case for special recognition in justice to his memory, and as an acknowledgment of the high example set by him." The supreme honor of the Victoria Cross was afterwards posthumously awarded to him. In this photograph the young hero is wearing the ribbon of H.M.S. *Lancaster* on his cap. He was transferred to H.M.S. *Chester*, the ship in which he lost his life.

116. Ships, More Ships, and Again More Ships

The men engaged on completing a standard ship stop work for a few minutes to watch the launch of another vessel. Immediately afterwards they resumed their labors in an effort to complete their ship rather quicker than the other fellow. There is now tremendously keen rivalry in the shipyards; a healthy form of competition which is good for everyone except the Germans.

117. The Work of the Red Cross Man at Sea

Stoker William Joslin, a member of the crew of the *Vindictive*, who was wounded on the occasion of the second naval raid on Ostend, being lowered into the ward of a ship. Note the inevitable cigarette.

118. An Improvised Fog—Destroyers Throwing Out a Smoke Screen

Thus they hide themselves completely from view. Not even Sam Weller, with his famous binoculars, could penetrate the thick pall of smoke which shrouds them.

119. Coaling Ship on Board H.M.A.S. "Australia"

The *Australia* is a battle cruiser of the same type as the *Indefatigable*. Earlier in the war she chased the German Pacific Squadron for 48,000 miles. This squadron, which was under the command of Graf von Spee, was eventually sunk in the Battle of the Falkland Islands.

120. H.M.S. "Tempest" Dropping a Depth Charge at Full Speed

Putting "paid" to the account of one more German submarine.

121. H.M.S. "Vindictive" Back in Port After the Glorious Fight at Zeebrugge

The *Vindictive* lying in Dover Harbor, the proudest if not the most prepossessing, ship in the British Navy. Her funnels are riddled with holes, her bridge is blown away, and she is battered and scarred in dozens of places. The *Vindictive*, as everyone knows, took the leading part in the most thrilling Naval assault of the war, the object of which was to bottle up the German submarine and destroyer nests. Observations made by aircraft proved how, in Captain Carpenter's words, they gave the dragon's tail a "damn good twist." Under the most favorable circumstances it was a desperate venture, and a single hitch would have been sufficient to have brought about failure. The

general plan of operations was as follows: After an intense bombardment by monitors, the *Vindictive*, with two Mersey ferry boats, *Iris* and *Daffodil*, ran alongside the head of the Mole and attacked the defenses with gunfire. As they attacked, the storming parties and demolition parties were landed. Three block ships, all old cruisers, made for the entrance of the canal, to be blown up and sunk. Two of them attained their objective and were blown up and sunk in the entrance of the canal. A third grounded on the passage inward. Other damage was done, an enemy destroyer being torpedoed, while one of our old submarines, filled with explosives, succeeded in attaining her objective and blew herself up, destroying the piling at the approach to the Mole. Every man who took part in this great adventure was a volunteer.

122. The "Vindictive" As She Appeared Just Before the Zeebrugge Fight

The *Vindictive*, which was an old cruiser of an obsolete type, brought her glorious career to a close when, following the attack on Zeebrugge, she was sunk between the piers across the entrance of Ostend Harbor. This photograph shows her as she appeared before the Zeebrugge battle. Her shattered and shell-torn hull was filled with cement for the purpose, and she was again manned by a volunteer crew, but a very much smaller one than she carried during her attack upon the Zeebrugge Mole. Only a few of those who took part in that adventure were included.

125. Some of the "Vindictive's" Scars

Funnels and ventilators perforated by shell fire. Beautifully handled, the *Vindictive* was run alongside the Mole though fired at from point blank range. Once she had reached her objective the seamen threw over the grapnels to hold the ship fast. Then they and the marines landed and met the Germans in hand to hand fighting.

126. The "Vindictive's" Riddled Funnel

Another photograph taken after the vessel's return to port. Though it was doubtful at one time if she would be able to get through the storm of shells, she gave as good as she took.

127. A Scotch Lassie at Work in a Shipbuilding Yard

128. "This Is a Mine"—Minus the Sting

A girl worker in one of the big Scottish shipbuilding yards sitting in a mine.

129. A Naval Humorist

An unknown wit chalked the inscription on this huge gun, which is lying in one of our dockyards.

130. In the Smith's Shop

Photograph taken in one of the shipbuilding yards.

131. "Wrens"

The establishment of a Women's Royal Naval Service is the logical sequel to the excellent work that has been done by the "W.A.A.C.'s" or Women's Auxiliary Army Corps. They perform various duties on shore hitherto carried out by Naval ratings, and wear a "Wren's" distinctive uniform.

132. Blowing Up a Derelict

This is one of the useful little odd jobs that the Navy performs in times of war. This derelict had been floating about, a menace to commerce, so the Navy quickly took her in hand and blew her up.

133. The Damaged Mole at Zeebrugge

This photograph was taken by an airman after the battle, and shows the viaduct end of the Mole, which was seriously damaged, and the gap made by blowing up an old British submarine, under the command of Lieutenant Sandford, R.N. He and all his crew escaped in a small boat.

135. Sunset in the North Sea

A very striking photograph showing a section of the Grand Fleet lying at anchor.

136. As Bad As A Volcanic Eruption. Depth Charge Exploding

Naval war, it will be seen, produces very wonderful spectacular effects. This photograph was taken at very close quarters, and shows a depth charge exploding. It gives an idea of the tremendous upheaval caused in the waters, and shows how they are churned into a white foam, while it also gives an idea of the immense height of the column of smoke which arises in the air.

137. The Green Room of a Battleship

Officers making up to play the "Scarlet Pimpernel."

138. Theatricals at Sea

Another picture of officers "making up."

139. An Airship and a Light Cruiser

These airships cruise several hundred miles out to sea for scouting purposes. The great advantage of using these airships is that the men inside have a much longer range of vision than the men in the fighting top, the highest point in a ship.

140. A German Submarine Holds Up a Spanish Mail Boat

A remarkable photograph of a U-boat, armed with large calibre guns, standing by the ship *Infanta Isabel de Bourbon*, of Cadiz. An officer, backed by an armed guard, searched the ship. Meanwhile the submarine continued to circle round the liner, an officer mounting the turret and closely observing all movements on the liner through his glasses.

**143. Listening to a Hun by Means of a Hydrophone.
A Snapshot Taken on a Motor Launch**

Water conducts sound for a much greater distance than air, and the man seen in the photograph is listening to the movements of a submerged U-boat. By means of this instrument many of the pirates have been detected and finally destroyed.

144. Submarine Officer Getting His Position By Using a Sextant

The craft is travelling on the surface, and the sailor is keeping a sharp lookout. It would only take a very short time to submerge should it be found necessary.

146. A U.S. Destroyer in a Rough Sea

America sent us naval aid from the very moment she entered the war. A flotilla of destroyers hurried to our waters, and since that time they have helped materially in fighting the U-boats. The number of U. S. Naval craft in British waters is increasing daily.

147. Submarine Attacks a Convoy. Smoke Screen Defense.

These smoke screens make it exceedingly difficult for the Commander of a U-boat to see his target. The dense clouds obscure his view, as he is only able to raise his periscope a short distance above the water. Otherwise he is in great danger of being spotted from above. In this case the photograph was taken from an airship which was on escort duty with the convoy.

148. Gun-Room Officers Keep Fit. Hockey on the Quarterdeck

Sub-Lieutenants and Midshipmen take part in a furious game of hockey on the quarterdeck. The game, a great favorite in the Navy, is played with sticks and a chunk of wood, which takes the place of a ball. Before the game, a number of these chunks have to be procured as so many of them are hit overboard.

149. Ready for Battle

A handkerchief round the arm would denote that the man is an officer.

150. Passing a Friend. British Submarines Heading for Enemy Waters

151. In a Submarine During the Act of Diving

Each man has his allotted task, and the officer in charge is watching the indicator which denotes the depth.

152. What's Above Water?

The Captain looks through the periscope. In an attack everything depends on the man at the periscope, who judges the moment for firing the torpedo and gives the order.

153. Tea Time in a Submarine

Submarines are nothing but a box of machinery, every inch of space being required. These men, who are petty officers, therefore have to live in a very confined space.

155. At the Bottom of the Sea. In the Wardroom of a Submarine

The Captain is reclining in an easy chair, another officer is enjoying a siesta, while a third one is perusing his charts. Meanwhile the man prepares a meal.

156. Chapter 1. Survivors from a Sunken Ship Arrive in Port

The destroyer picked up these men whom the Germans had left to their fate after torpedoing their vessel. They are here seen arriving in port.

157. Chapter 2. A Near View of the Survivors

The men are seen on the deck of the destroyer. Many of them were very scantily clad when forced to leave their ship. She was sinking rapidly, and they had no time to gather together their belongings, but the crew of the destroyer rigged them out as best they could.

158. Chapter 3. Clambering Up the Gangway on Reaching Port

159. To Mark the Spot

Armed trawler in the North Sea drops a mark buoy, possibly to denote the place where the remains of a U-boat lie under the waves.

161. Zeebrugge Sealed. The Block Ships Seen from the Air

The original of this photo was found on a captured German airman, and is direct proof of the success attending the British efforts to seal up the pirates' lair.

162. Bruges Canal Sealed as the Result of the Raid

Photo taken from a British seaplane.

163. Physical Drill for the "Wrens"

164. Splash!

A delay action bomb causes "some" disturbance of the water.

165. The G. P. O. at Sea.

Sorting mails on board one of H.M. ships.

166. The Policeman On His Beat

A drifter on her patrol station, where a vigilant lookout is kept for U-boats and other enemy craft.

167. Gas Mask Drill

To neutralize the effect of gas shells these respirators are necessary. Here we see men of the Reserve being instructed in their use on board a drifter.

168. The Stranglehold

This picture is symbolic of the grip that the British Navy has upon the throat of the enemy.

169. Captain Gordon Campbell, V.C., R.N.

The "mystery" V.C.—no official announcement was made of the deeds which earned this gallant officer his coveted decoration, but it can be stated that it was conferred for work in connection with the destruction of U-boats.

170. Flagwagging—Making "Z"

One of the methods of visual signalling used in the Navy. Searchlights and hand flash lamps are also used day and night, while wireless telegraphy is of course very largely used.

171. The Straphanger

He's happier than in a subway.

172. Sowing Death

A drifter assisting in the completion of a British minefield.

173. The Stern of a British Submarine

174. The Wake of a Periscope

A British submarine travelling at full speed below the surface while maneuvering in home waters.

175. A Rough Day in the North Sea

176. Well Done, Stokers!

The speed of a ship is as vital almost as her gunfire and in every big action of this war British ships have exceeded their previous best speeds. The work of the stokers is particularly arduous and trying in action, as they are unable to tell how the fight is going. After Jutland, Admiral Beatty sent the above signal to the men of his battle cruisers.

177. U. C. S. in Dock After Capture

A German U. C. boat captured by the British.

178. A Drifter Fleet at Sea

Drifters have played a large part in the work of the British Navy in all theatres of this war. They are used for patrols, mine sweeping, mine laying, running mails and a hundred other jobs.

179. The Tell-Tale Patch of Oil

Which coming to the surface after a depth charge has been dropped near a U-boat shows that in all probability the Kaiser has lost yet another submarine.

180. The Pirate's Work

Ship breaking up after being torpedoed. This vessel quickly broke up and sunk.

